

SEQUENCE LISTING

<110> Carmichael, David F
 Anderson, David C
 Stricklin, George P
 Welgus, Howard G

<120> Human Collagenase Inhibitor, Recombinant Vector System
 For Using Same And Recombinant-DNA Method For
 Manufacture Of Same

<130> Serial No. 09/452,817

<140> 09/452,817
 <141> 1999-12-01

<150> 08/474,553
 <151> 1995-06-07

<150> 08/050,739
 <151> 1993-04-21

<150> 07/853,018
 <151> 1992-03-18

<150> 07/517,475
 <151> 1990-05-01

<150> 07/320,923
 <151> 1989-03-08

<150> 06/784,319
 <151> 1985-10-04

<150> 06/699,181
 <151> 1985-02-05

<160> 20

<170> PatentIn Ver. 2.0

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B21

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Thr Leu Tyr Gln Arg Tyr Glu Ile Lys Met Thr Lys Met Tyr Lys Gly 44
35 40 45

Phe Gln Ala Leu Gly Asp Ala Ala Asp Ile Arg Phe Val Tyr Thr Pro 64
50 55 60

Ala Met Glu Ser Val Cys Gly Tyr Phe His Arg Ser His Asn Arg Ser 80
65 70 75 80

Glu Glu Phe Leu Ile Ala Gly Lys Leu Gln Asp Gly Leu Leu His Ile 96
85 90 95

Thr Thr Cys Ser Phe Val Ala Pro Trp Asn Ser Leu Ser Leu Ala Gln 112
100 105 110 111

Arg Arg Gly Phe Thr Lys Thr Tyr Thr Val Gly Cys Glu Glu Cys Thr 128
115 120 125

Val Phe Pro Cys Leu Ser Ile Pro Cys Lys Leu Gln Ser Gly Thr His
130 135 140

Cys Leu Trp Thr Asp Gln Leu Leu Gln Gly Ser Glu Lys Gly Phe Gln
145 150 155 160

Ser Arg His Leu Ala Cys Leu Pro Arg Glu Pro Gly Leu Cys Thr Trp
165 170 175

Gln Ser Leu Arg Ser Gln Ile Ala
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<210> 2

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<212> PRT

<213> Homo sapiens

<400> 2

Cys Thr Cys Val Pro Pro His Pro Gln Thr Ala Phe Cys Asn Ser Asp
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Leu Val Ile Arg Ala Lys Phe Val Gly Thr Pro Glu Val Asn Gln Thr
20 25 30

<213> Homo sapiens

<400> 5

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aaccagacca ccttatacca gcgttatgag atcaagatga ccaagatgta taaaggggttc 180
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tttccctgtt tatccatccc ctgcaaaactg cagagtggca ctcatgtctt gtggacggac 480
cagctcctcc aaggctctga aaagggcttc cagtcccgtc accttgcttg cctgcctcgg 540
gagccagggc tgtgcacctg gcagtccttg cgggccaga tagcctgaat cctgcccgga 600
gtggaagctg aagcctgcac agtgtccacc ctgttccac tcccatcttt cttccggaca 660
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<210> 6

<211> 432

<212> DNA

<213> Homo sapiens

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tgtgtccac cccaccaca gacggccttc tgcaattccg acctcgtcat caggccaag 180
ttcgtgggga caccagaagt caaccagacc acctataacc agcgttatga gatcaagatg 240
accaagatgt ataaaggggt ccaagcctta ggggatgccg ctgacatccg gttcgtctac 300
accccgcca tggagagtgt ctgcggtatc ttccacaggt ccacaaccg cagcgaggag 360
tttctcattg ctggaaaact gcaggatgga ctcttgaca tctacctg cagttttgtg 420
gctccctgga ac 432

<210> 7

<211> 780

<212> DNA

<213> Homo sapiens

<400> 7

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gaccttggc ttctgcatcc tgtgttgct gtggctgata gcccagcag ggctgcacc 120
tgtgtccac cccaccaca gacggccttc tgcaattccg acctcgtcat caggccaag 180
ttcgtgggga caccagaagt caaccagacc acctataacc agcgttatga gatcaagatg 240
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atagcctgaa tcctgcccgg agtggaaagt gaagcctgca cagtgtccac cctgttccca 720
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<210> 8

<211> 55

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
5'-end of human TIMP-1 using preferred yeats
codons; + strand

<400> 8

gatccgtgca cttgtgttcc accacaccca caaactgctt tctgtaactc tgacc 55

<210> 9

<211> 52

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
5'-end of human TIMP-1 using preferred yeast
codons; - strand

<400> 9

aggtcagagt tacagaaagc agtttgtggg tgtggtggaa cacaagtgca cg 52

<210> 10

<211> 75

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: linker

<400> 10

gatccgcgat cggagtgtaa gaaatgtgca cttgcgttcc gccgcatccg cagactgctt 60
tctgcaactc tgacc 75

<210> 11

<211> 72

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: linker

B21

Sequence

<400> 11
aggtcagagt tgcagaaagc agtctgcgga tgcggcggaa cgcaagtgca catttcttac 60
actccgatcg cg 72

<210> 12
<211> 35
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:
oligonucleotide

<400> 12
gatccgcgat cggagtgtaa gaaatgtgca cttgc 35

<210> 13
<211> 36
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:
oligonucleotide

<400> 13
ggaacgcaag tgcacatttc ttacactccg atcgcg 36

<210> 14
<211> 40
<212> DNA
<213> Artificial Sequence

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<223> Description of Artificial Sequence:
oligonucleotide

<400> 14
gttccgccgc atccgcagac tgctttctgc aactctgacc 40

<210> 15
<211> 36
<212> DNA
<213> Artificial Sequence

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<223> Description of Artificial Sequence:

B21

oligonucleotide

<400> 15

aggtcagagt tgcagaaagc agtctgcgga tgcggc

36

<210> 16

<211> 9

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: linker

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<210> 17

<211> 9

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: linker

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9

<210> 18

<211> 138

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: artificial
OmpA leader sequence

<400> 18

gaattcgata tctcgttgga gatattcatg acgtattttg gatgataacg aggcgcaaaa 60
aatgaaaaag acagctatcg cgatcgagcagg ggcactggct ggtttcgcta ccgtagcgca 120
ggcctctggt aaaagctt 138

<210> 19

<211> 15

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: linker

B2

<400> 19
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15

<210> 20
<211> 7
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: linker

<400> 20
ggcctgg

7

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BD!
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